

ABSTRACT OF THE DISCLOSURE

5 A tool for expanding flexible rubber boots such as cv
boots, bellows and seals for easy mounting over and removal
from mechanical joints including a mandrel having a base
section with a perimeter having an opening and a plurality of
spokes, each spoke being movably arranged with respect of the
base section, to move from a first converged angle to a second
open angle, and from a second open angle to a converged first
10 angle, opening and closing the mandrel. The base section
includes a crenellated rim with slots between adjacent
crenellations, and the plurality of spokes are pivotally
mounted in the slots between adjacent crenellations of the rim
by pins, whereby the spokes can only pivot radially from a
15 closed position to an open position with respect of the base
section, and vice versa. A closing device exerts tension on
the spokes to maintain the mandrel normally in a closed
position and when the mandrel is opened by a drive mechanism in
contact with the spokes, the device will urge the mandrel to
20 close as the drive mechanism is retracted from the spokes.